

Title (en)

Axial impact liner

Title (de)

Achsenstoßlaufbuchse

Title (fr)

Doublure à impact axial

Publication

EP 2048766 A2 20090415 (EN)

Application

EP 08166159 A 20081008

Priority

US 86956707 A 20071009

Abstract (en)

An axial impact liner comprises a bearing liner having a shear member and a pocket. A spring and a supply of oil may be included within the pocket. In the event of an axial load, such as from a bearing or main rotor failure, the axial impact liner can shear in the axial direction and absorb the energy of the axial load by forcing the shear member into the oil filled pocket and against the spring. The pocket comprises a volume capable of accommodating the full axial distance that the rotor could move.

IPC 8 full level

H02K 5/173 (2006.01)

CPC (source: EP US)

F16C 19/52 (2013.01 - EP US); **H02K 5/1732** (2013.01 - EP US); **H02K 7/083** (2013.01 - EP US)

Citation (applicant)

US 6260667 B1 20010717 - SUGDEN KENNETH B [US]

Cited by

CN102948044A; WO2011160984A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2048766 A2 20090415; US 2009091201 A1 20090409; US 7598642 B2 20091006

DOCDB simple family (application)

EP 08166159 A 20081008; US 86956707 A 20071009